

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 8

**Complete if Known**

Application Number	10/054,619
Filing Date	January 22, 2002
First Named Inventor	Richard J. Melker
Group Art Unit	3736
Examiner Name	Navin Natnithithadha
Attorney Docket Number	UF-270

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Code <sup>2</sup>	Kind (if known)			
[Handwritten initials]	U1	3,567,029		03-02-1971	Quame	
	U2	3,792,272		02-12-1974	Harte <i>et al.</i>	
	U3	3,608,546		09-28-1971	Shinn	
	U4	3,877,291		4-15-1975	Hoppesch <i>et al.</i>	
	U5	3,955,926		5-11-1976	Fischer	
	U6	4,150,670		04-24-1979	Jewett <i>et al.</i>	
	U7	4,215,409		07-29-1980	Strowe	
	U8	4,314,564		02-09-1982	Albarda	
	U9	4,334,540		6-15-1982	Preti <i>et al.</i>	
	U10	4,346,584		08-31-1982	Boehringer	
	U11	4,349,626		9-14-1982	Labows <i>et al.</i>	
	U12	4,432,226		02-21-1984	Dempster	
	U13	4,456,014		06-26-1984	Buck <i>et al.</i>	
	U14	4,534,360		8-13-1985	Williams	
	U15	4,735,777		04-05-1988	Mitsui <i>et al.</i>	
	U16	4,772,559		9-20-1988	Preti <i>et al.</i>	
	U17	4,868,545		09-19-1989	Jones	
	U18	5,082,630		01-21-1992	Partin <i>et al.</i>	
	U19	5,094,235		03-10-1992	Westenskow <i>et al.</i>	
	U20	5,111,827	A	05-12-1992	Rantala	
	U21	5,167,972	A	12-01-1992	Greenberg <i>et al.</i>	
	U22	5,296,706	A	03-22-1994	Braig <i>et al.</i>	
	U23	5,303,575	A	04-19-1994	Brown <i>et al.</i>	
	U24	5,361,771	A	11-08-1994	Craine <i>et al.</i>	
	U25	5,409,839	A	04-25-1995	Balestrieri <i>et al.</i>	
	U26	5,425,374	A	06-20-1995	Ueda <i>et al.</i>	
	U27	5,447,165	A	09-05-1995	Gustafsson	

Examiner  
Signature

[Handwritten signature]

Date  
Considered

7/19/05

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard T.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

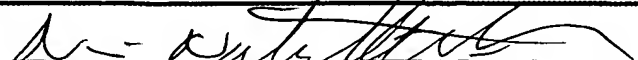
This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	10/054,619
				Filing Date	January 22, 2002
				First Named Inventor	Richard J. Melker
				Group Art Unit	3736
				Examiner Name	Navin Natnithithadha
(use as many sheets as necessary)				Attorney Docket Number	UF-370
Sheet	2	of	8		

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Code <sup>2</sup>	Kind (if known)			
Na	U28	5,453,359	A	09-26-1995	Gargan <i>et al.</i>	
	U29	5,482,601	A	1-09-1996	Ohshima <i>et al.</i>	
	U30	5,495,744	A	03-05-1996	Ueda <i>et al.</i>	
	U21	5,501,212	A	03-26-1996	Psaros	
	U32	5,558,083	A	09-24-1996	Bathe <i>et al.</i>	
	U33	5,634,517	A	06-03-1997	Linden <i>et al.</i>	
	U34	5,571,401	A	Lewis <i>et al.</i>	11-05-1996	
	U35	5,573,955	A	11-12-1996	Khanna <i>et al.</i>	
	U36	5,645,072	A	7-08-1997	Thrall <i>et al.</i>	
	U37	5,716,852	A	02-10-1998	Yager <i>et al.</i>	
	U38	5,783,449	A	7-21-1998	Kuznetsov	
	U39	5,801,297	A	09-01-1998	Mifsud <i>et al.</i>	
	U40	5,826,577	A	10-27-1998	Perroz <i>et al.</i>	
	U41	5,861,254	A	1-19-1999	Schneider <i>et al.</i>	
	U42	5,866,434	A	Massey <i>et al.</i>	02-02-1999	
	U43	5,891,398	A	04-06-1999	Lewis <i>et al.</i>	
	U44	5,925,014	A	07-20-1999	Teeple Jr.	
	U45	5,928,167	A	07-27-1999	Wagner <i>et al.</i>	
	U46	5,932,877	A	08-03-1999	Braig <i>et al.</i>	
	U47	5,958,896	A	09-28-1999	Renshaw <i>et al.</i>	
	U48	5,996,586	A	12-07-1999	Phillips	
	U49	6,007,775	A	12-28-1999	Yager	
	U50	6,025,200	A	02-15-2000	Kaish <i>et al.</i>	
	U51	6,057,162	A	5-02-2000	Rounbehler <i>et al.</i>	
	U52	6,063,243	A	5-16-2000	Zettl <i>et al.</i>	
	U53	6,067,167	A	5-23-2000	Atkinson <i>et al.</i>	
	U54	6,074,345	A	06-13-2000	Van Oostrom <i>et al.</i>	
Na	U55	6,094,681		07-25-2000	Shaffer <i>et al.</i>	

Examiner Signature		Date Considered	7/19/05
-----------------------	---	--------------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard T.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO			<b>Complete If Known</b>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			Application Number	10/054,619	
			Filing Date	January 22, 2002	
			First Named Inventor	Richard J. Melker	
			Group Art Unit	3736	
			Examiner Name	Navin Natnithithadha	
Sheet	3	of	8	Attorney Docket Number	UF-270

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Code <sup>2</sup>	Kind (if known)			
NA	U56	6,097,485	A	08-01-2000	Lievan	
	U57	6,120,443	A	09-19-2000	Cohen-Laroque	
	U58	6,131,571	A	10-17-2000	Lampotang <i>et al.</i>	
	U59	6,153,147	A	11-28-2000	Craig	
	U60	6,190,858	B1	2-20-2001	Persaud <i>et al.</i>	
	U61	6,203,814	B1	3-20-2001	Fisher <i>et al.</i>	
	U62	6,221,026	B1	4-24-2001	Phillips	
	U63	6,234,006	B1	05-22-2001	Sunshine <i>et al.</i>	
	U64	6,237,397	B1	05-29-2001	Shinar <i>et al.</i>	
	U65	6,248,078	B1	6-19-2001	Risby <i>et al.</i>	
	U66	6,261,783	B1	7-17-2001	Jayasena <i>et al.</i>	
	U67	6,264,913	B1	07-24-2001	Wagner	
	U68	6,277,081	B1	08-21-2001	Susi <i>et al.</i>	
	U69	6,283,953	B1	09-04-2001	Ayer <i>et al.</i>	
	U70	6,303,316	B1	10-16-2001	Kiel <i>et al.</i>	
	U71	6,312,390	B1	11-06-2001	Phillips	
	U72	6,328,708	B1	12-11-2001	Georgieff	
	U73	6,341,520	B1	01-29-2002	Satoh <i>et al.</i>	
	U74	6,363,772	B1	4-02-2002	Berry	
	U75	6,387,329	B1	5-14-2002	Lewis <i>et al.</i>	
	U76	6,399,302	B1	6-04-2002	Lannigan <i>et al.</i>	
	U77	6,416,479	B1	07-09-2002	Seidman	
	U78	6,455,319	B1	09-24-2002	Lewis <i>et al.</i>	
	U79	6,467,333	B2	10-22-2002	Lewis <i>et al.</i>	
	U80	6,479,019	B1	11-12-2002	Goldstein <i>et al.</i>	
	U81	6,495,824	B1	12-17-2002	Atkinson	
	U82	6,511,453	B2	01-28-2003	Georgieff	
	U83	6,558,626	B1	05-06-2003	Aker <i>et al.</i>	
	U84	6,589,727	B1	07-08-2003	Klenerman <i>et al.</i>	
	U85	6,597,438	B1	07-22-2003	Cabuz <i>et al.</i>	
NA	U86	6,598,459	B1	07-29-2003	Fu	

Examiner Signature	<i>Navin Natnithithadha</i>	Date Considered	7/19/05
--------------------	-----------------------------	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard T.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

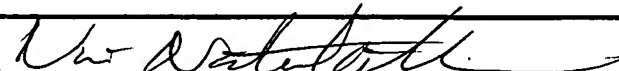
Sheet 4 of 8

## Complete if Known.

Application Number 10/054,619  
Filing Date January 22, 2002  
First Named Inventor Richard J. Melker  
Group Art Unit 3736  
Examiner Name Navin Natnithithadha  
Attorney Docket Number UF-270

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
AM	U87	6,599,253	B1	07-29-2003	Baum <i>et al.</i>	
	U88	6,599,281	B1	07-29-2003	Struys <i>et al.</i>	
	U89	6,620,800	B1	09-16-2003	Roberts II	
	U90	6,631,333	B1	10-07-2003	Lewis <i>et al.</i>	
	U91	6,680,377	B1	01-20-2004	Stanton <i>et al.</i>	
	U92	6,727,075	B2	04-27-2004	Fitzgerald <i>et al.</i>	
	U93	6,755,783	B2	06-29-2004	Cosentino <i>et al.</i>	
	U94	2001/0021815	A1	09-13-2001	Katzman <i>et al.</i>	
	U95	2001/0046674	A1	11-29-2001	Ellington	
	U96	2001/0050228	A1	12-13-2001	Jaeger	
	U97	2001/0055544	A1	12-27-2001	Copp	
	U98	2002/0007687	A1	01-24-2002	Zimmermann <i>et al.</i>	
	U99	2002/0068295	A1	6-06-2002	Madou <i>et al.</i>	
	U100	2002/0034757	A1	3-21-2002	Cubiciotti	
	U101	2002/0177232	A1	11-28-2002	Melker <i>et al.</i>	
	U102	2003/0004426	A1	01-02-2003	Melker <i>et al.</i>	
	U103	2003/0059820	A1	03-27-2003	Vo-Dinh	
	U104	2003/0087239	A1	05-08-2003	Stanton <i>et al.</i>	
	U105	2003/0139681	A1	07-24-2003	Melker <i>et al.</i>	
	U106	2003/0119065	A1	06-26-2003	Lin <i>et al.</i>	
	U107	2003/0216660	A1	11-20-2003	Ben-Oren <i>et al.</i>	
	U108	2004/0027246	A1	02-12-2004	Aguglia	
	U109	2004/0101477	A1	05-27-2004	Leyland-Jones	
	U110	2005/0065446	A1	03-24-2005	Talton	
	U111	09/708,789 (Application No.)		11-08-2000 (Date Filed)	Lampotang <i>et al.</i>	
	U112					
	U113					
	U114					
	U115					
	U116					

Examiner  
Signature

Date  
Considered

7/19/05

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard T.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.


This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/054,619
				Filing Date	January 22, 2002
				First Named Inventor	Richard J. Melker
				Group Art Unit	3736
				Examiner Name	Navin Natnithithadha
Sheet	5	of	8	Attorney Docket Number	UF-270

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T 6
		Code <sup>5</sup> Office <sup>3</sup> known)	Kind Number <sup>4</sup> (if				
ND	F1		DE 19607646 (English Abstract)	A1	Muehlenberg <i>et al.</i>	09-11-1997	
	F2		DE 29902593 (English Abstract)		Genzyme Virotech GmbH	08-26-1999	
	F3		EP 0 370 151	A1	L'Air Liquide, S. A.	05-30-1990	
	F4		EP 0 979 997 (English Abstract)	A1	Siemens AG	02-16-2000	
	F5		GB 829,409	A	Governors of the United Birmin	03-02-1960	
	F6		GB 2 309 166	A	Cleansharp Limited	07-23-1997	
	F7		GB 2 329 245	A	Cavkit Limited	03-17-1999	
	F8		JP 08313407 (English Abstract)	A	Suzuki Motor Corp.	11-29-1996	
	F9		JP 09196915 (English Abstract)	A	Otsuka Pharmaceut Co. Ltd.	07-31-1997	
	F10		RU 2104535 C1 (English Abstract)		Kogan <i>et al.</i>	02-10-1998	
	F11		WO 87/02773	A1	Autosense Corp.	05-07-1987	
	F12		WO 95/08113	A1	Alpha M.O.S.	03-23-1995	
	F13		WO 98/57145	A1	Quadrivium, L.L.C.	12-17-1998	
	F14		WO 00/25108	A1	Copp Life Systems	05-04-2000	
	F15		WO 00/79243	A1	Cyrano Sciences, Inc.	12-28-2000	
	F16		WO 2002/079514	A1	The Trustees of Boston College	10-10-2002	
	F17		WO 03/016901	A1	Samsung Electronics Co., Ltd.	02-27-2003	
	F18		WO 2004/065404	A1	University of Florida Research Foundation, Inc.	08-05-2004	

Examiner Signature		Date Considered	7/19/05
--------------------	---	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard T.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.87 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/054,619
		Filing Date	January 22, 2002
		First Named Inventor	Richard J. Melker
		Group Art Unit	3736
		Examiner Name	Navin Natnithithadha
Sheet	6	of	8
		Attorney Docket Number	UF-270

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
AM	R1	BRODY, E. N. <i>et al.</i> , "Aptamers as Therapeutic and Diagnostic Agents," <i>Reviews in Molecular Biotechnology</i> (2000), Volume 74, pages 5-13.	
	R2	BRODY <i>et al.</i> "The use of Aptamers in Large Arrays for Molecular Diagnostics," <i>Molecular Diagnosis</i> (1999), Volume 4, number 4, pages 381-388.	
	R3	DICKINSON, T. A. <i>et al.</i> , "Current Trends in 'Artificial-Nose' Technology," <i>Tib Tech</i> , 1998, 16:250-258.	
	R4	FISHER <i>et al.</i> "A man-portable chemical sniffer utilizing Novel Fluorescent polymers for detection of ultra-trace concentrations of explosives emanating from landmines," <i>Nomadics Inc.</i> (2000), PAGES 1-10.	
	R5	GANGA-ZANDZOU, P.S. <i>et al.</i> "A 13C-urea breath test in children with Helicobacter pylori infection: validity of the use of a mask to collect exhaled breath sample," <i>Acta. Paediatr.</i> (2001), Volume 90, pages 232-233.	
	R6	HAMMON III, W. S. <i>et al.</i> , "Forensic GPR: Finite-Difference Simulations of Responses From Buried Human Remains," <i>Journal of Applied Geophysics</i> , (2000), 45:171-186.	
	R7	HONG, C. <i>et al.</i> , "Carbon Nanotube-Enhanced Electrochemical DNA Biosensor for DNA Hybridization Detection" (2003), <i>Anal. Bioanal. Chem.</i> , 375:287-293.	
	R8	LIEBICH <i>et al.</i> "Volatile Substances in Blood Serum: a Profile Analysis and Quantitative Determination," <i>Journal of Chromatography</i> (1977), Volume 142, pages 505-516.	
	R9	MILLER III, E. R. <i>et al.</i> , "Association Between Cigarette Smoking and Lipid Peroxidation in a Controlled Feeding Study," <i>Circulation</i> , (1997), 96(4):1097-1101.	
	R10	MUELLER <i>et al.</i> "Experience in mass spectrometric identification in acute poisoning," <i>Beitr. Diagn. Ther. Akuter. Intox., Vortr. Symp.</i> 4 <sup>th</sup> (1982), pages 126-134, ABSTRACT ONLY.	
	R11	PANTAROTTO D. <i>et al.</i> , "Synthesis, Structural Characterization, and Immunological Properties of Carbon Nanotubes Functionalized with Peptides" (2003), <i>J. Am. Chem. Soc.</i> , 125:6160-6164.	

Examiner Signature		Date Considered	7/19/05
--------------------	---	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard T.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/054,619
		Filing Date	January 22, 2002
		First Named Inventor	Richard J. Melker
		Group Art Unit	3736
		Examiner Name	Navin Natnithithadha
Sheet	7	of	8
		Attorney Docket Number	UF-270

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
<i>ad</i>	R12	PAVLOU and TURNER. "Sniffing out the truth: Clinical Diagnosis Using the Electronic Nose," <i>Clin. Chem. Lab. Med.</i> (2000), Volume 38, number 2, pages 99-112.	
	R13	PERRI, F. "Diagnosis of <i>Helicobacter pylori</i> infection: which is best? The urea breath test," <i>Dig. Liver. Dis.</i> (2000), Volume 32, Supp. 3, pages S196-198.	
	R14	PHILLIPS, M., "Breath Tests in Medicine," <i>Scientific American</i> , 1992, pages 52-57.	
	R15	Pilar Kraman, "Prescription Drug Diversion," <i>Trends Alert</i> provided by the Council of State Government at <a href="http://www.csg.org">www.csg.org</a> (April 2004).	
	R16	ROGERS <i>et al.</i> "Fiber-optic biosensors based on total internal-reflection fluorescence," <i>American Chemical Society</i> (1992), Ch. 13, pages 165-173.	
	R17	STUART, B. H. <i>et al.</i> , "Studies of Adipocere Using Diffuse Reflectance Infrared Spectroscopy," <i>Vibrational Spectroscopy</i> , 24:233-242, (2000).	
	R18	STUBBS, D. D. <i>et al.</i> , "Investigation of Cocaine Plumes Using Surface Acoustic Wave Immunoassay Sensors," <i>Anal. Chem.</i> , 75:6231-6235, (2003).	
	R19	TRACQUI, A. <i>et al.</i> "Systematic Toxicological Analysis Using HPLC/DAD," <i>Journal of Forensic Sciences</i> (1995), Volume 40, Number 2, pages 254-262.	
	R20	U.S. FOOD AND DRUG ADMINISTRATION, "FDA White Paper, Protecting the Public Health: FDA Pursues and Aggressive Enforcement Strategy," <a href="http://www.fda.gov/oc/whitepapers/enforce.html">www.fda.gov/oc/whitepapers/enforce.html</a> (06-30-2003).	
<i>y</i>	R21	U.S. FOOD AND DRUG ADMINISTRATION, "New FDA Initiative to Combat Counterfeit Drugs," <a href="http://www.fda.gov/oc/initiatives/counterfeit/backgroundunder.html">www.fda.gov/oc/initiatives/counterfeit/backgroundunder.html</a> (07-02-2004).	
<i>nu</i>	R22	UNITED STATES DEPARTMENT OF JUSTICE, "Review of the Drug Enforcement Administration's (DEA) Control of the Diversion of Controlled Pharmaceuticals," Report Number I-2002-010 <a href="http://www.usdoj.gov/oig/inspection/DEA/0210/background.htm">www.usdoj.gov/oig/inspection/DEA/0210/background.htm</a> (September 2002).	

Examiner Signature	<i>Navin Natnithithadha</i>	Date Considered	7/09/05
--------------------	-----------------------------	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard T.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/054,619
		Filing Date	January 22, 2002
		First Named Inventor	Richard J. Melker
		Group Art Unit	3736
		Examiner Name	Navin Natnithithadha
Sheet	8	of	8
		Attorney Docket Number	UF-270

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
<i>RM</i>	R23	VASS, A., "Beyond the Grave – Understanding Human Decomposition," <i>Microbiology Today</i> , Nov. 2001, 28:190-192.	
<i>RM</i>	R24	VASS, A. <i>et al.</i> , "Decomposition Chemistry of Human Remains: A New Methodology for Determining the Postmortem Interval," <i>J. Forensic Sci.</i> , (2002), 47(3):542-553.	
<i>RM</i>	R25	VASS, A. <i>et al.</i> , "Detection of Buried Human Remains Using Bioreporter Fluorescence," U.S. Dept. of Energy Report, Y/NSP-726 (2001).	
	R26		
	R27		
	R28		
	R29		
	R30		
	R31		
	R32		
	R33		

Examiner Signature	<i>Navin Natnithithadha</i>	Date Considered	7/19/05
-----------------------	-----------------------------	--------------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard T.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.